



Cable and Fibre Standards of Conformance

Signamax optical fibre and cable products meet the requirements of the following National & International specifications where appropriate

Optical Fibre

All fibres conform to the requirements of IEC 60793 – Optical Fibres

Low Smoke Zero Halogen Jacketed Cable Fire Performance

- IEC 61034-1 & 2 - Smoke emission
- IEC 60754-1 & 2 - Acid gas emission
- IEC 60332-1 - Flammability (standard)
- IEC 60332-3c - Flammability (optional)

OFNR (Riser) Rated Fire Performance

- UL 910
- NEC OFNP, FT-6

Fire Survivability Cable

- IEC 331-25 - Fire Survivability

Standards Low Water Peak Singlemode optical fibre, exceeds the OS1 requirements.

- ITU-T G.652D
- IEC 60793-2-50 type B1.3
- ISO/IEC 11802 OS-1
- TIA/EIA 492.CAAB
- Telcordia GR-20-CORE

Low bend sensitivity singlemode optical fibre

- ITU-T G.657A
- IEC 60793-2-50 type B1.3 and B6.A
- ISO/IEC 11802 OS-1
- INSI/ICEA S-87-2-50
- Telcordia GR-20-CORE

OM1 62.5/125 optical fibre

- ITU-T G.651
- IEC 60793-2-10 type A1b
- ISO/IEC 11802 OM-1
- TIA/EIA-492AAAA
- Telcordia GR-20-CORE

OM2 50/125 optical fibre

- ITU-T G.651
- IEC 60793-2-10 type A1a.1
- ISO/IEC 11802 OM-2
- TIA/EIA-492AAAB
- Telcordia GR-20-CORE

OM3 50/125 optical fibre

- ITU-T G.651
- IEC 60793-2-10 type A1a.2
- ISO/IEC 11802 OM-3
- TIA/EIA-492AAAC
- Telcordia GR-20-CORE

Datacomms & Telecomms Cables

- IEC 60704 – Optical Fibre Cables
- ITU-T L43 – Optical Fibre Cable for Buried Application – fibre strain recommendations

Datacomms

- IEC/ISO 11802 : 2000 Edition Information technology – Generic cabling for customer premises

ADSS Aerial Cables

- BS8100 – Lattice Towers and Masts
- IEEE Standard 1222 – Standard for All-Dielectric Self-Supporting Fibre Optic Cable

Standard Cable Colours

- IEC 60304 – Standard colours for insulation for low-frequency cables and wires
- EIA/TIA 598C – Colour code for fibre optic cables

OPGW Cables

- DIN VDE. 0888 PART 3
- IEC 61232 Aluminium Clad Steel (ACS) for electrical purposes
- IEC 60794 -4:2003 Optical fibre cables part 4: Sectional specification – optical cables along electrical power lines
- IEEE 1138-2002:IEEE Standard construction of composite fibre optic overhead ground wire (OPGW) for use on electric utility power lines
- IEC 61395 Overhead electrical conductors creep test Procedures for standard cables